Performance Data Sheet

AZA1332YXA

General Information

Model	AZA1332YXA	**Refrigerant**	R-134a
Test Condition	ASHRAE	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	32.2°C (90°F) RETURN GAS	**Motor Type**	RSIR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
-40	Btu/h	114	143	145	129	103	77.0	58.5
	Watts	62.3	61.8	60.9	59.6	58.1	56.3	54.5
	Amps	1.05	1.02	0.99	0.97	0.96	0.96	0.96
	Lb/h	1.41	1.77	1.79	1.59	1.27	0.95	0.72
-35	Btu/h	156	187	192	178	154	129	112
	Watts	66.6	66.3	65.5	64.4	62.9	61.2	59.3
	Amps	1.07	1.04	1.02	1.00	0.99	0.99	0.98
	Lb/h	1.93	2.33	2.38	2.21	1.91	1.60	1.39
-30	Btu/h	192	227	234	221	199	175	158
	Watts	71.0	71.0	70.5	69.6	68.3	66.7	64.9
	Amps	1.09	1.07	1.05	1.03	1.03	1.02	1.02
	Lb/h	2.39	2.82	2.90	2.75	2.47	2.17	1.96
-25	Btu/h	227	264	272	262	240	217	200
	Watts	75.7	76.1	75.9	75.3	74.2	72.8	71.2
	Amps	1.11	1.09	1.08	1.07	1.06	1.06	1.05
	Lb/h	2.83	3.28	3.39	3.26	2.99	2.70	2.48
-20	Btu/h	263	302	312	302	281	258	240
	Watts	80.5	81.4	81.7	81.5	80.7	79.6	78.2
	Amps	1.13	1.12	1.11	1.11	1.10	1.10	1.09
	Lb/h	3.28	3.76	3.88	3.76	3.50	3.21	2.99
-15	Btu/h	304	344	355	346	325	301	283
	Watts	85.5	87.0	87.8	88.0	87.7	87.0	85.9
	Amps	1.15	1.15	1.15	1.15	1.15	1.15	1.14
	Lb/h	3.79	4.29	4.43	4.31	4.05	3.76	3.53
-10	Btu/h	352	393	405	396	375	350	331
	Watts	90.7	92.8	94.3	95.1	95.3	95.0	94.3
	Amps	1.17	1.18	1.19	1.20	1.20	1.20	1.20
	Lb/h	4.40	4.91	5.06	4.94	4.68	4.37	4.13
-5	Btu/h	411	453	465	455	433	407	386
	Watts	96.0	98.9	101	103	103	104	103
	Amps	1.20	1.22	1.23	1.25	1.26	1.26	1.26
	Lb/h	5.15	5.66	5.81	5.69	5.42	5.09	4.83

0	Btu/h	484	526	537	527	504	476	453
	Watts	102	105	108	110	112	113	113
	Amps	1.22	1.26	1.28	1.30	1.32	1.33	1.33
	Lb/h	6.07	6.59	6.73	6.60	6.31	5.97	5.68
5	Btu/h	573	615	626	614	590	560	534
	Watts	107	112	116	119	121	123	124
	Amps	1.25	1.30	1.33	1.36	1.39	1.40	1.40
	Lb/h	7.20	7.72	7.85	7.71	7.40	7.03	6.71
10	Btu/h	683	724	733	720	694	662	633
	Watts	113	119	124	127	131	133	135
	Amps	1.29	1.34	1.39	1.43	1.46	1.48	1.49
	Lb/h	8.60	9.10	9.22	9.06	8.72	8.32	7.96

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	-1.976954E+03	3.281078E+01	9.581374E-01	-2.452336E+01
C2	1.303317E+01	-6.723727E-01	-2.636641E-02	1.651435E-01
C3	6.475384E+01	1.375736E+00	2.375397E-03	8.048757E-01
C4	4.048505E-01	-1.078345E-02	-8.413453E-05	5.169980E-03
C5	7.420556E-02	2.657769E-02	5.384289E-04	9.472308E-04
C6	-5.401102E-01	-7.431090E-03	2.549959E-05	-6.711551E-03
C7	4.106900E-03	-7.796126E-06	6.919588E-07	5.260479E-05
C8	-8.535442E-04	1.747117E-04	1.770192E-06	-1.074520E-05
C9	-4.444629E-04	-5.209848E-05	-1.754468E-06	-5.678013E-06
C10	1.439790E-03	1.217608E-05	-1.693222E-07	1.788041E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature